

**IN THE CLAIMS**

The following claim listing replaces all prior claim listings:

1-5. (Cancelled).

6. (Withdrawn) The liquid crystal display device as claimed in claim 1, wherein the direction of projection of optical axis of the optical compensation layer to the liquid crystal panel surface is substantially parallel to at least one of the direction of projection of pre-tilt of liquid crystal molecules near a board surface on the luminous flux incidence side of the liquid crystal panel to the board surface and the direction of projection of pre-tilt of liquid crystal molecules near a board surface on the luminous flux emission side of the liquid crystal panel to the board surface.

7. (Withdrawn) The liquid crystal display device as claimed in claim 6, wherein when refractive index anisotropy of the inorganic material forming the optical compensation layer and refractive index of a liquid crystal layer of the liquid crystal panel have the same sign, the optical axis of the optical compensation layer and the optical axis of the liquid crystal layer are inclined in opposite directions with respect to the liquid crystal panel surface.

8. (Withdrawn) The liquid crystal display device as claimed in claim 6, wherein when refractive index anisotropy of the inorganic material forming the optical compensation layer and refractive index of a liquid crystal layer of the liquid crystal panel have different signs, the optical axis of the optical compensation layer and the optical axis of the liquid crystal layer are inclined in the same direction with respect to the liquid crystal panel surface.

9. (Withdrawn) The liquid crystal display device as claimed in claim 1, wherein the optical compensation layer is provided on both the luminous flux incidence side and the luminous flux emission side of the liquid crystal panel, and

the direction of projection of optical axis of the optical compensation layers to the liquid crystal panel surface is substantially parallel to the direction of projection of pre-tilt of liquid crystal molecules near a board surface on the luminous flux incidence side of the liquid crystal panel to the board surface and the direction of projection of pre-tilt of liquid crystal molecules near a board surface on the luminous flux emission side of the liquid crystal panel to the board surface.

10. (Cancelled).

11. (Withdrawn) The liquid crystal display device as claimed in claim 1, wherein the optical compensation layer is provided on a dustproof glass provided on the surface of the liquid crystal panel.

12. (Withdrawn) The liquid crystal display device as claimed in claim 1, wherein the optical compensation layer is provided on a cover glass of the microlens array.

13-23. (Cancelled)

24. (Withdrawn) The image display apparatus as claimed in claim 14, wherein the optical compensation layer of the liquid crystal display device is provided on a dustproof glass provided on the surface of the liquid crystal panel.

25. (Withdrawn) The image display apparatus as claimed in claim 14, wherein the optical compensation layer of the liquid crystal display device is provided on a cover glass of the microlens array.

26. (Withdrawn) An image display apparatus comprising:  
a light source;  
a liquid crystal display device having a microlens array provided on a luminous flux incidence side as a spatial light modulator;  
an illuminating optical system for guiding a luminous flux emitted from a light source to the liquid crystal display device and thus illuminating the liquid crystal display device; and  
an image-forming lens for forming an image of the liquid crystal display device;  
the liquid crystal display device having two optical compensation layers made of an inorganic material and having an optical axis inclined with respect to a liquid crystal panel surface, on a luminous flux incidence side of the liquid crystal panel.

27. (Previously Presented) A liquid crystal display device comprising:  
a microlens provided on a luminous flux incidence side of the liquid crystal display device;  
a liquid crystal panel, the liquid crystal panel having a rubbing direction; and  
a first optical compensation layer and a second optical compensation layer, each of the first and second optical compensation layers being made of an inorganic material, formed in a flat plate-like shape, and having an optical axis inclined with respect to a surface of the liquid crystal panel, the optical axis having a direction of inclination, at least one of the first and second

optical compensation layers being positioned on the luminous flux incidence side of the liquid crystal panel,

wherein the inorganic material is cut out so that the direction of inclination of the optical axis is substantially equal to the rubbing direction of the liquid crystal panel.

28. (Previously Presented) The liquid crystal display device of claim 27, wherein the first and second optical compensation layers are positioned on the luminous flux incidence side of the liquid crystal panel.

29. (Previously Presented) The liquid crystal display device of claim 27, wherein the inorganic material forming the first optical compensation layer is uniaxial crystal.

30. (Previously Presented) The liquid crystal display device of claim 29, wherein  $\Delta n \cdot d$ , which is the product of refractive index anisotropy  $\Delta$  and thickness  $d$  of the inorganic material forming the first optical compensation layer, is 640 nm or less.

31. (Previously Presented) The liquid crystal display device of claim 27, wherein the inorganic material forming the first optical compensation layer is crystal or sapphire.

32. (Previously Presented) The liquid crystal display device of claim 31, wherein  $\Delta n \cdot d$ , which is the product of refractive index anisotropy  $\Delta$  and thickness  $d$  of the inorganic material forming the first optical compensation layer, is 640 nm or less.

33. (Withdrawn) The liquid crystal display device of claim 27, wherein when refractive index anisotropy of the inorganic material forming the first optical compensation layer of the liquid crystal display device and refractive index of a liquid crystal layer of the liquid crystal panel have the same sign, the optical axis of the first optical compensation layer and the

optical axis of the liquid crystal layer are inclined in opposite directions with respect to the liquid crystal panel surface.

34. (Withdrawn) The liquid crystal display device of claim 27, wherein when refractive index anisotropy of the inorganic material forming the second optical compensation layer of the liquid crystal display device and refractive index of a liquid crystal layer of the liquid crystal panel have different signs, the optical axis of the second optical compensation layer and the optical axis of the liquid crystal layer are inclined in the same direction with respect to the liquid crystal panel surface.

35. (Withdrawn) The liquid crystal display device of claim 27, wherein the direction of projection of optical axis of the first and optical compensation layers to the liquid crystal panel surface is substantially parallel to the direction of projection of pre-tilt of liquid crystal molecules near a board surface on the luminous flux incidence side of the liquid crystal panel to the board surface and the direction of projection of pre-tilt of liquid crystal molecules near a board surface on the luminous flux emission side of the liquid crystal panel to the board surface.

36. (Withdrawn) The liquid crystal display device of claim 27, wherein the first and second optical compensation layers are formed on surface of a dust-proof glass on the luminous flux incidence side of the liquid crystal panel.

37. (Withdrawn) The liquid crystal display device of claim 27, wherein the first and second optical compensation layers are as a cover of a microlens array.

38. (Previously Presented) The liquid crystal display device of claim 27, wherein the angle of inclination of at least one of the first and second optical compensation layers is

approximately 75° to 85°.

39. (Previously Presented) The liquid crystal display device of claim 38, wherein the angle of inclination of at least one of the first and second optical compensation layers is approximately 80°.

40. (Previously Presented) The image display apparatus as claimed in claim 27, wherein at least one of the first and second optical compensation layers has an outer size equal to or larger than an effective display area of the liquid crystal panel.

41. (Previously Presented) An image display apparatus comprising:

- a light source;
- a liquid crystal display device having a microlens array provided on a luminous flux incidence side as a spatial light modulator;
- an illuminating optical system for guiding a luminous flux emitted from a light source to the liquid crystal display device and thus illuminating the liquid crystal display device; and
- an image-forming lens for forming an image of the liquid crystal display device,

wherein,

the liquid crystal display device includes a liquid crystal panel, the liquid crystal panel having a rubbing direction, a first optical compensation layer and a second optical compensation layer, each of the first and second optical compensation layers being made of an inorganic material, formed in a flat plate-like shape, and having an optical axis inclined with respect to a surface of the liquid crystal panel, the optical axis having a direction of inclination, at least one

of the first and second optical compensation layers being positioned on the luminous flux incidence side of the liquid crystal panel, and

the inorganic material is cut out so that the direction of inclination of the optical axis is substantially equal to the rubbing direction of the liquid crystal panel.

42. (Previously Presented) The image display apparatus of claim 41, wherein the first and second optical compensation layers are positioned on the luminous flux incidence side of the liquid crystal panel.

43. (Previously Presented) The image display apparatus of claim 41, wherein  $\Delta n \cdot d$ , which is the product of refractive index anisotropy  $\Delta$  and thickness  $d$  of the inorganic material forming the first optical compensation layer, is 640 nm or less.

44. (Withdrawn) The image display apparatus of claim 41, wherein the first and second optical compensation layers are formed on surface of a dust-proof glass on the luminous flux incidence side of the liquid crystal panel.

45. (Withdrawn) The image display apparatus of claim 41, wherein the first and second optical compensation layers are as a cover of a microlens array.

46. (Previously Presented) The image display apparatus of claim 41, wherein the angle of inclination of at least one of the first and second optical compensation layers is approximately  $75^\circ$  to  $85^\circ$ .